

**A SECURITY MECHANISM PROVIDING
ACCESS CONTROL FOR LOCALLY-HELD DATA**

Abstract of the Disclosure

Methods and data processing apparatuses are provided
5 which enable controlling, from one data processing
apparatus, access to data held (for example on a queue) at
another data processing apparatus. When a requestor wishes
to access data held at a local data processing apparatus, a
request must be sent to a remote data processing apparatus
10 to determine the security attributes of the data (for
example, retrieving queue attributes from a database). The
requestor cannot access the data until the security
attributes are fully determined at the local data processing
apparatus, and since communication with a remote system is
15 required to make this determination the remote apparatus is
able to log the requests for data access. The security
attributes are preferably an identifier of a cryptor used in
compression, a compressor used in compression and an
authenticator for authenticating the requestor. The
20 determination of security attributes is preferably required
to be repeated for each requestor session, with the
attributes being deleted from the local data processing
apparatus at the end of a session and the requestor being
unable to view or save the attributes. This enables
25 session-specific access control.